



Attorney Docket No. VTI011A (OLD)
IMMR-056/00US (NEW)

PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of: Ron CARMEL, et al.

Serial No.: 09/675,811

Examiner: Unassigned

Confirmation No.: 1164

Art Unit: Unassigned

Filed: September 29, 2000

For: SYSTEM, METHOD AND DATA STRUCTURE FOR SIMULATED
INTERACTION WITH GRAPHICAL OBJECTS

Commissioner for Patents
Washington, D.C. 20231

RECEIVED

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Technology Center 2100

REVOCATION AND NEW POWER BY ASSIGNEE
AND STATEMENT UNDER 37 C.F.R. §3.73(b)

The Assignee (Immersion Corporation) of the entire right, title, and interest in the above-identified application hereby revokes all previously granted powers and grants the registered practitioners of Cooley Godward LLP included in Customer Number (1), and the registered practitioners of Immersion Corporation included in Customer Number (2) provided below, power to act, prosecute, and transact all business in the U.S. Patent and Trademark Office in connection with this application, any applications claiming priority to this application, and any patents issuing therefrom.

The Assignee certifies that to the best of its knowledge and belief it is the owner of the entire right, title, and interest in and to the above-identified application as evidenced by:

Assignment documents, copies of which are enclosed herewith;

An assignment previously recorded in the U.S. Patent and Trademark Office at Reel/Frame _____.

Please change the attorney docket number of the above application to:

IMMR-056/00US

Please direct all telephone calls and correspondence to:

Cooley Godward LLP
ATTN: Patent Group
11951 Freedom Drive
One Freedom Square-Reston Town Center
Reston, VA 20190-5656
Telephone: (703) 456-8000
Facsimile: (703) 456-8100

CUSTOMER NUMBER (1): **22903**

CUSTOMER NUMBER (2): **34300**

Pursuant to 37 CFR § 3.73(b)(2)(i), the undersigned is authorized to act on behalf of the assignee.

Date: 3/13/2003

Signature: 

Stuart D. Smolen
Director of Intellectual Property
Immersion Corporation

ASSIGNMENT OF PATENT APPLICATION

(Not Accompanying Application)

Whereas Virtual Technologies, Inc., a California corporation with a place of business at 801 Fox Lane, San Jose, CA 95131-1601, owns all right, title and interest to certain new and useful improvements for which have been executed applications for United States Letters Patents as set forth in the patents and patent applications listed in the attached APPENDIX A.

The undersigned duly authorized representative of Virtual Technologies, Inc. hereby:

- 1) Sell(s), assign(s) and transfer(s) to Immersion Corporation, a Delaware corporation having a place of business at 801 Fox Lane, San Jose, CA 95131, (hereinafter referred to as "ASSIGNEE"), the entire right, title and interest in any and all improvements and inventions disclosed in, application(s) (including foreign applications) based upon, and Patent(s) (including foreign patents) granted upon the information which is disclosed in the patents and patent applications listed in the attached APPENDIX A.
- 2) Authorize and request the Commissioner of Patents to issue any and all Letters Patents resulting from said applications or any division(s), continuation(s), substitutes(s) or reissue(s) thereof to the ASSIGNEE.
- 3) Agree to execute all papers and documents and, entirely at the ASSIGNEE's expense, perform any acts which are reasonably necessary in connection with the prosecution of said applications and patents, as well as any derivative and applications thereof, foreign applications based thereon, and/or the enforcement of patents resulting from such applications and patents.
- 4) Agree that the terms, covenants and conditions of this assignment shall inure to the benefit of the ASSIGNEE, its successors, assigns and other legal representative, and shall be binding upon the inventor, as well as the inventor's heirs, legal representatives and assigns.
- 5) Warrant and represent that Virtual Technologies, Inc. has not entered, and will not enter into any assignment, contract, or understanding that conflicts with this assignment.

Virtual Technologies, Inc.

Victor Viegas
Signature

Victor Viegas
Printed Name

Chief Financial Officer
Title

August 19, 2002
Date

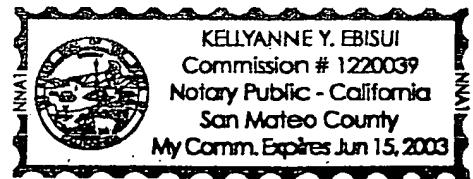
State of California)
County of Santa Clara)

)

On this 19th day of August, in the year 2002, before me, Kellyanne Y. Ebisui,
Notary Public, personally appeared Victor Viegas, personally known to me or proved to me on
the basis of satisfactory evidence to be the person whose name is subscribed to the within
instrument, and acknowledged to me that he/she executed the same in his/her authorized
capacity(ies), and that by his/her signature on the instrument the person, or the entity/ies upon
behalf of which the person acted, executed the instrument.

WITNESS my hand and official seal.

Signature Kellyanne Y. Ebisui



(SEAL)

APPENDIX A

Title	Application/Patent No.	Filing/Issue Date
Force Feedback and Textures Simulating	5,184,319	February 2, 1993
Force Feedback and Textures Simulating	07/929,895	August 10, 1992
Force Feedback and Textures Simulating	5,631,861	May 20, 1997
Force Feedback and Textures Simulating	6,059,506	May 9, 2000
Force Feedback and Textures Simulating	09/439,766	November 15, 1999
Determination of Kinematically Constrained Multi-Articulated Structures	07/909,570	July 6, 1992
Determination of Kinematically Constrained Multi-Articulated Structures	5,676,157	October 14, 1997
Determination of Kinematically Constrained Multi-Articulated Structures	6,162,190	December 19, 2000
Determination of Kinematically Constrained Multi-Articulated Structures	09/730,056	December 5, 2000
Determination of Thumb Position Using Measurements of Abduction and Rotation	5,482,056	January 9, 1996
Accurate, Rapid, Reliable Position Sensing Using Multiple Sensing Technologies	5,592,401	January 7, 1997
Accurate, Rapid, Reliable Position Sensing Using Multiple Sensing Technologies	5,930,741	July 27, 1999
Accurate, Rapid, Reliable Position Sensing Using Multiple Sensing Technologies	6,148,280	November 14, 2000
Accurate, Rapid, Reliable Position Sensing Using Multiple Sensing Technologies	09/712,046	November 13, 2000
Forearm-Supported Exoskeletal Hand-Tracking Device	6,104,379	August 15, 2000

Forearm-Supported Exoskeletal Hand-Tracking Device	09/565,907	May 5, 2000
Goniometer-Based Body-Tracking Device and Method	6,050,962	April 18, 2000
Goniometer-Based Body-Tracking Device and Method	6,428,490	August 6, 2002
Force-Feedback Interface Device for the Hand	6,042,555	March 28, 2000
Force-Feedback Interface Device for the Hand	6,413,229	July 2, 2002
Exoskeleton Device for Directly Measuring Fingertip Position and Inferring Finger Joint Angle	6,110,130	August 29, 2002
Exoskeleton Device for Directly Measuring Fingertip Position and Inferring Finger Joint Angle	09/565,730	May 5, 2000
System and Method for Constraining a Graphical Hand from Penetrating Simulated Graphical Objects	09/432,362	November 3, 1999
System, Method and Data Structure for Simulated Interaction with Graphical Objects	09/675,811	September 29, 2000
Interface for Controlling a Graphical Image	09/837,860	April 17, 2001
Real Time Determination of Simulated Interactions for Large Systems	09/912,434	July 24, 2001
Position Sensor with Resistive Element	09/894,985	June 27, 2001

ASSIGNMENT OF PATENT APPLICATION

(Not Accompanying Application)

Whereas I/we the undersigned inventor(s) have invented certain new and useful improvements as set forth in the patent application entitled:

SYSTEM, METHOD AND DATA STRUCTURE FOR SIMULATED INTERACTION WITH GRAPHICAL OBJECTS

for which I (we) have executed an application for a United States Letters Patent which was filed in the U.S. Patent and Trademark Office on September 29, 2000, and which bears the Application No. 09/675,811.

For good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged, I/We the undersigned inventor(s) hereby:

- 1) Sell(s), assign(s) and transfer(s) to Virtual Technologies, Inc., a corporation of the state of California, having a place of business at 2175 Park Boulevard; Palo Alto, California 94306, (hereinafter referred to as "ASSIGNEE"), the entire right title and interest in any and all improvements and inventions disclosed in, application(s) based upon, and Patent(s) (including foreign patents) granted upon the information which is disclosed in the above referenced application.
- 2) Authorize and request the Commissioner for Patents to issue any and all Letters Patents resulting from said application or any division(s), continuation(s), substitutes(s) or reissue(s) thereof to the ASSIGNEE.
- 3) Agree to execute all papers and documents and, entirely at the ASSIGNEE's expense, perform any acts which are reasonably necessary in connection with the prosecution of said application, as well as any derivative and applications thereof, foreign applications based thereon, and/or the enforcement of patents resulting from such applications.
- 4) Agree that the terms, covenants and conditions of this assignment shall inure to the benefit of the Assignee, its successors, assigns and other legal representative, and shall be binding upon the inventor(s), as well as the inventor's heirs, legal representatives and assigns.
- 5) Warrant and represent that I/we have not entered, and will not enter into any assignment, contract, or understanding that conflicts with this assignment.

Signed on the date(s) indicated beside my (our) signature(s).

1)	Signature: <u>R. Carmel</u>	Date: <u>4/16/2001</u>
	Typed Name: Ronald Carmel	<u>R.C.</u>
		<u>4/16</u>
2)	Signature: _____	Date: _____
	Typed Name: Hugo J.C. DesRosiers	
3)	Signature: _____	Date: _____
	Typed Name: Daniel Gomez	
4)	Signature: _____	Date: _____
	Typed Name: James F. Kramer	
5)	Signature: _____	Date: _____
	Typed Name: Jerry Tian	
6)	Signature: _____	Date: _____
	Typed Name: Marc Tremblay	
7)	Signature: _____	Date: _____
	Typed Name: Christopher J. Ullrich	

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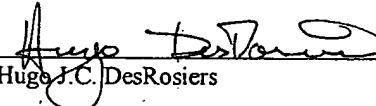
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Signed on the date(s) indicated beside my (our) signature(s).

1)	Signature: _____	Date: _____
	Typed Name: Ronald Carmel	
2)	Signature: 	Date: <u>2001/04/17</u>
	Typed Name: Hugo J.C. DesRosiers	
3)	Signature: _____	Date: _____
	Typed Name: Daniel Gomez	
4)	Signature: _____	Date: _____
	Typed Name: James F. Kramer	
5)	Signature: _____	Date: _____
	Typed Name: Jerry Tian	
6)	Signature: _____	Date: _____
	Typed Name: Marc Tremblay	
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	Typed Name: Christopher J. Ullrich	

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Signed on the date(s) indicated beside my (our) signature(s).

1)	Signature: _____	Date: _____
	Typed Name: Ronald Carmel	
2)	Signature: _____	Date: _____
	Typed Name: Hugo J.C. DesRosiers	
3)	Signature: <u>Jamie H. Gomez</u>	Date: <u>3-22-01</u>
	Typed Name: Daniel Gomez	
4)	Signature: <u>James F. Kramer</u>	Date: <u>3/22/01</u>
	Typed Name: James F. Kramer	
5)	Signature: _____	Date: _____
	Typed Name: Jerry Tian	
6)	Signature: _____	Date: _____
	Typed Name: Marc Tremblay	
7)	Signature: <u>CJ</u>	Date: <u>3/22/01</u>
	Typed Name: Christopher J. Ullrich	

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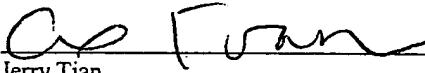
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3)	Signature: _____	Date: _____
	Typed Name: Daniel Gomez	
4)	Signature: _____	Date: _____
	Typed Name: James F. Kramer	
5)	Signature: 	Date: <u>9/15/01</u>
	Typed Name: Jerry Tian	
6)	Signature: _____	Date: _____
	Typed Name: Marc Tremblay	
7)	Signature: _____	Date: _____
	Typed Name: Christopher J. Ullrich	

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6)	Signature: _____	Date: <u>4/17/01</u>
	Typed Name: Marc Tremblay	
7)	Signature: _____	Date: _____
	Typed Name: Christopher J. Ullrich	